

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
31 July 2003 (31.07.2003)

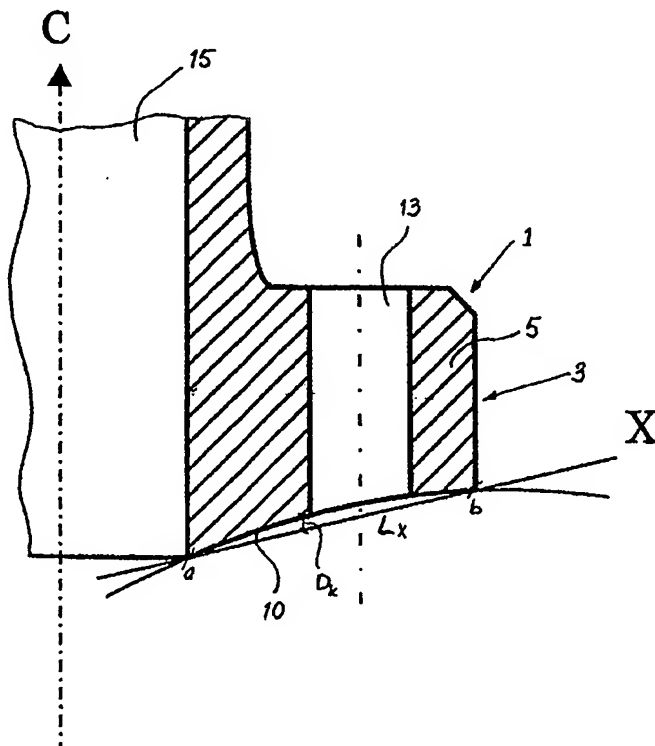
PCT

(10) International Publication Number  
**WO 03/062693 A1**

- (51) International Patent Classification<sup>7</sup>: **F16L 23/032** (74) Common Representative: **VERAX ENGINEERING AB**; Solhemsbackarna 75A, S-163 56 Spånga (SE).
- (21) International Application Number: PCT/SE02/02448
- (22) International Filing Date:  
20 December 2002 (20.12.2002)
- (25) Filing Language: Swedish
- (26) Publication Language: English
- (30) Priority Data:  
0104467-6 28 December 2001 (28.12.2001) SE
- (71) Applicant (for all designated States except US): **VERAX ENGINEERING AB** [SE/SE]; Solhemsbackarna 75A, S-163 56 Spånga (SE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **WEBJÖRN, Jan** [SE/SE]; Krontorp 1, S-655 91 Karlstad (SE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: FLANGE MEMBER COMPRISING A FIRST FLANGED END DESIGNED WITH A, IN A RADIAL DIRECTION, CONCAVE ENDSURFACE AND A FLANGE JOINT COMPRISING FLANGE MEMBERS



(57) Abstract: The invention relates to a flanged member (1), intended to be included as a component in a flanged joint, for installation in a pressure equipment device, and having a first flanged end (3) having a first end surface (10) intended to be assembled together with another end surface (4) of a flanged end (11) on another, second flanged member (2) constituting a second component in said flanged joint. Said first end surface is slightly concave in the radial direction over at least a part of the extension thereof in the radial direction.

WO 03/062693 A1